050

OIPE

#2

RAW SEQUENCE LISTING

3 <110> APPLICANT: Ashkenazi, Avi J.

PATENT APPLICATION: US/09/990,440

DATE: 11/28/2001

ENTERED

TIME: 11:39:27

Input Set : A:\Seq__Listing_for_P2730P1C21.wpd

Output Set: N:\CRF3\11212001\1990440.raw

```
Baker, Kevin P.
      5
              Botstein, David
              Desnoyers, Luc
      6
      7
              Eaton, Dan L.
      8
              Ferrara, Napoleone
      9
              Fong, Sherman
     10
              Gerber, Hanspeter
     11
              Gerritsen, Mary E.
     12
              Goddard, Audrey
     13
              Godowski, Paul J.
     14
              Grimaldi, J. Christopher
              Gurney, Austin L.
     15
              Kljavin, Ivar J.
     17
              Napier, Mary A.
     18
              Pan, James
     19
              Paoni, Nicholas F.
     20
              Roy, Margaret Ann
     21
              Stewart, Timothy A.
     22
              Tumas, Daniel
     23
              Watanabe, Colin K.
     24
              Williams, P. Mickey
              Wood, William I.
     25
              Zhang, Zemin
     26
     28 <120> TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
              Acids Encoding the Same
     31 <130> FILE REFERENCE: P2730P1C21
C--> 33 <140> CURRENT APPLICATION NUMBER: US/09/990,440
C--> 33 <141> CURRENT FILING DATE: 2001-11-14
     33 <150> PRIOR APPLICATION NUMBER: 60/049787
     34 <151> PRIOR FILING DATE: 1997-06-16
     36 <150> PRIOR APPLICATION NUMBER: 60/062250
     37 <151> PRIOR FILING DATE: 1997-10-17
     39 <150> PRIOR APPLICATION NUMBER: 60/065186
     40 <151> PRIOR FILING DATE: 1997-11-12
     42 <150> PRIOR APPLICATION NUMBER: 60/065311
     43 <151> PRIOR FILING DATE: 1997-11-13
     45 <150> PRIOR APPLICATION NUMBER: 60/066770
     46 <151> PRIOR FILING DATE: 1997-11-24
     48 <150> PRIOR APPLICATION NUMBER: 60/075945
     49 <151> PRIOR FILING DATE: 1998-02-25
     51 <150> PRIOR APPLICATION NUMBER: 60/078910
     52 <151> PRIOR FILING DATE: 1998-03-20
     54 <150> PRIOR APPLICATION NUMBER: 60/083322
     55 <151> PRIOR FILING DATE: 1998-04-28
     57 <150> PRIOR APPLICATION NUMBER: 60/084600
     58 <151> PRIOR FILING DATE: 1998-05-07
```

RAW SEQUENCE LISTING DATE: 11/28/2001

PATENT APPLICATION: US/09/990,440 TIME: 11:39:27

Input Set : A:\Seq__Listing_for_P2730P1C21.wpd

Output Set: N:\CRF3\11212001\1990440.raw

- 60 <150> PRIOR APPLICATION NUMBER: 60/087106
- 61 <151> PRIOR FILING DATE: 1998-05-28
- 63 <150> PRIOR APPLICATION NUMBER: 60/087607
- 64 <151> PRIOR FILING DATE: 1998-06-02
- 66 <150> PRIOR APPLICATION NUMBER: 60/087609
- 67 <151> PRIOR FILING DATE: 1998-06-02
- 69 <150> PRIOR APPLICATION NUMBER: 60/087759
- 70 <151> PRIOR FILING DATE: 1998-06-02
- 72 <150> PRIOR APPLICATION NUMBER: 60/087827
- 73 <151> PRIOR FILING DATE: 1998-06-03
- 75 <150> PRIOR APPLICATION NUMBER: 60/088021
- 76 <151> PRIOR FILING DATE: 1998-06-04
- 78 <150> PRIOR APPLICATION NUMBER: 60/088025
- 79 <151> PRIOR FILING DATE: 1998-06-04
- 81 <150> PRIOR APPLICATION NUMBER: 60/088026
- 82 <151> PRIOR FILING DATE: 1998-06-04
- 84 <150> PRIOR APPLICATION NUMBER: 60/088028
- 85 <151> PRIOR FILING DATE: 1998-06-04
- 87 <150> PRIOR APPLICATION NUMBER: 60/088029
- 88 <151> PRIOR FILING DATE: 1998-06-04
- 90 <150> PRIOR APPLICATION NUMBER: 60/088030
- 91 <151> PRIOR FILING DATE: 1998-06-04
- 93 <150> PRIOR APPLICATION NUMBER: 60/088033
- 94 <151> PRIOR FILING DATE: 1998-06-04
- 96 <150> PRIOR APPLICATION NUMBER: 60/088326
- 97 <151> PRIOR FILING DATE: 1998-06-04
- 99 <150> PRIOR APPLICATION NUMBER: 60/088167
- 100 <151> PRIOR FILING DATE: 1998-06-05
- 102 <150> PRIOR APPLICATION NUMBER: 60/088202
- 103 <151> PRIOR FILING DATE: 1998-06-05
- 105 <150> PRIOR APPLICATION NUMBER: 60/088212
- 106 <151> PRIOR FILING DATE: 1998-06-05
- 108 <150> PRIOR APPLICATION NUMBER: 60/088217
- 109 <151> PRIOR FILING DATE: 1998-06-05
- 111 <150> PRIOR APPLICATION NUMBER: 60/088655
- 112 <151> PRIOR FILING DATE: 1998-06-09
- 114 <150> PRIOR APPLICATION NUMBER: 60/088734
- 115 <151> PRIOR FILING DATE: 1998-06-10
- 117 <150> PRIOR APPLICATION NUMBER: 60/088738
- 118 <151> PRIOR FILING DATE: 1998-06-10
- 120 <150> PRIOR APPLICATION NUMBER: 60/088742
- 121 <151> PRIOR FILING DATE: 1998-06-10
- 123 <150> PRIOR APPLICATION NUMBER: 60/088810
- 124 <151> PRIOR FILING DATE: 1998-06-10
- 126 <150> PRIOR APPLICATION NUMBER: 60/088824
- 127 <151> PRIOR FILING DATE: 1998-06-10
- 129 <150> PRIOR APPLICATION NUMBER: 60/088826
- 130 <151> PRIOR FILING DATE: 1998-06-10
- 132 <150> PRIOR APPLICATION NUMBER: 60/088858

RAW SEQUENCE LISTING DATE: 11/28/2001 PATENT APPLICATION: US/09/990,440 TIME: 11:39:27

Input Set : A:\Seq__Listing_for_P2730P1C21.wpd
Output Set: N:\CRF3\11212001\1990440.raw

133 <151> PRIOR FILING DATE: 1998-06-11 135 <150> PRIOR APPLICATION NUMBER: 60/088861 136 <151> PRIOR FILING DATE: 1998-06-11 138 <150> PRIOR APPLICATION NUMBER: 60/088876 139 <151> PRIOR FILING DATE: 1998-06-11 141 <150> PRIOR APPLICATION NUMBER: 60/089105 142 <151> PRIOR FILING DATE: 1998-06-12 144 <150> PRIOR APPLICATION NUMBER: 60/089440 145 <151> PRIOR FILING DATE: 1998-06-16 147 <150> PRIOR APPLICATION NUMBER: 60/089512 148 <151> PRIOR FILING DATE: 1998-06-16 150 <150> PRIOR APPLICATION NUMBER: 60/089514 151 <151> PRIOR FILING DATE: 1998-06-16 153 <150> PRIOR APPLICATION NUMBER: 60/089532 154 <151> PRIOR FILING DATE: 1998-06-17 156 <150> PRIOR APPLICATION NUMBER: 60/089538 157 <151> PRIOR FILING DATE: 1998-06-17 159 <150> PRIOR APPLICATION NUMBER: 60/089598 160 <151> PRIOR FILING DATE: 1998-06-17 162 <150> PRIOR APPLICATION NUMBER: 60/089599 163 <151> PRIOR FILING DATE: 1998-06-17 165 <150> PRIOR APPLICATION NUMBER: 60/089600 166 <151> PRIOR FILING DATE: 1998-06-17 168 <150> PRIOR APPLICATION NUMBER: 60/089653 169 <151> PRIOR FILING DATE: 1998-06-17 171 <150> PRIOR APPLICATION NUMBER: 60/089801 172 <151> PRIOR FILING DATE: 1998-06-18 174 <150> PRIOR APPLICATION NUMBER: 60/089907 175 <151> PRIOR FILING DATE: 1998-06-18 177 <150> PRIOR APPLICATION NUMBER: 60/089908 178 <151> PRIOR FILING DATE: 1998-06-18 180 <150> PRIOR APPLICATION NUMBER: 60/089947 181 <151> PRIOR FILING DATE: 1998-06-19 183 <150> PRIOR APPLICATION NUMBER: 60/089948 184 <151> PRIOR FILING DATE: 1998-06-19 186 <150> PRIOR APPLICATION NUMBER: 60/089952 187 <151> PRIOR FILING DATE: 1998-06-19 189 <150> PRIOR APPLICATION NUMBER: 60/090246 190 <151> PRIOR FILING DATE: 1998-06-22 192 <150> PRIOR APPLICATION NUMBER: 60/090252 193 <151> PRIOR FILING DATE: 1998-06-22 195 <150> PRIOR APPLICATION NUMBER: 60/090254 196 <151> PRIOR FILING DATE: 1998-06-22 198 <150> PRIOR APPLICATION NUMBER: 60/090349 199 <151> PRIOR FILING DATE: 1998-06-23 201 <150> PRIOR APPLICATION NUMBER: 60/090355 202 <151> PRIOR FILING DATE: 1998-06-23 204 <150> PRIOR APPLICATION NUMBER: 60/090429 205 <151> PRIOR FILING DATE: 1998-06-24

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/990,440

DATE: 11/28/2001
TIME: 11:39:27

Input Set : A:\Seq__Listing_for_P2730P1C21.wpd

Output Set: N:\CRF3\11212001\1990440.raw

207 <150> PRIOR APPLICATION NUMBER: 60/090431 208 <151> PRIOR FILING DATE: 1998-06-24 210 <150> PRIOR APPLICATION NUMBER: 60/090435 211 <151> PRIOR FILING DATE: 1998-06-24 213 <150> PRIOR APPLICATION NUMBER: 60/090444 214 <151> PRIOR FILING DATE: 1998-06-24 216 <150> PRIOR APPLICATION NUMBER: 60/090445 217 <151> PRIOR FILING DATE: 1998-06-24 219 <150> PRIOR APPLICATION NUMBER: 60/090472 220 <151> PRIOR FILING DATE: 1998-06-24 222 <150> PRIOR APPLICATION NUMBER: 60/090535 223 <151> PRIOR FILING DATE: 1998-06-24 225 <150> PRIOR APPLICATION NUMBER: 60/090540 226 <151> PRIOR FILING DATE: 1998-06-24 228 <150> PRIOR APPLICATION NUMBER: 60/090542 229 <151> PRIOR FILING DATE: 1998-06-24 231 <150> PRIOR APPLICATION NUMBER: 60/090557 232 <151> PRIOR FILING DATE: 1998-06-24 234 <150> PRIOR APPLICATION NUMBER: 60/090676 235 <151> PRIOR FILING DATE: 1998-06-25 237 <150> PRIOR APPLICATION NUMBER: 60/090678 238 <151> PRIOR FILING DATE: 1998-06-25 240 <150> PRIOR APPLICATION NUMBER: 60/090690 241 <151> PRIOR FILING DATE: 1998-06-25 243 <150> PRIOR APPLICATION NUMBER: 60/090694 244 <151> PRIOR FILING DATE: 1998-06-25 246 <150> PRIOR APPLICATION NUMBER: 60/090695 247 <151> PRIOR FILING DATE: 1998-06-25 249 <150> PRIOR APPLICATION NUMBER: 60/090696 250 <151> PRIOR FILING DATE: 1998-06-25 252 <150> PRIOR APPLICATION NUMBER: 60/090862 253 <151> PRIOR FILING DATE: 1998-06-26 255 <150> PRIOR APPLICATION NUMBER: 60/090863 256 <151> PRIOR FILING DATE: 1998-06-26 258 <150> PRIOR APPLICATION NUMBER: 60/091360 259 <151> PRIOR FILING DATE: 1998-07-01 261 <150> PRIOR APPLICATION NUMBER: 60/091478 262 <151> PRIOR FILING DATE: 1998-07-02 264 <150> PRIOR APPLICATION NUMBER: 60/091544 265 <151> PRIOR FILING DATE: 1998-07-01 267 <150> PRIOR APPLICATION NUMBER: 60/091519 268 <151> PRIOR FILING DATE: 1998-07-02 270 <150> PRIOR APPLICATION NUMBER: 60/091626 271 <151> PRIOR FILING DATE: 1998-07-02 273 <150> PRIOR APPLICATION NUMBER: 60/091633 274 <151> PRIOR FILING DATE: 1998-07-02 276 <150> PRIOR APPLICATION NUMBER: 60/091978 277 <151> PRIOR FILING DATE: 1998-07-07

279 <150> PRIOR APPLICATION NUMBER: 60/091982

RAW SEQUENCE LISTING

DATE: 11/28/2001 TIME: 11:39:27 PATENT APPLICATION: US/09/990,440

Input Set : A:\Seq__Listing_for_P2730P1C21.wpd

Output Set: N:\CRF3\11212001\I990440.raw

- 280 <151> PRIOR FILING DATE: 1998-07-07
- 282 <150> PRIOR APPLICATION NUMBER: 60/092182
- 283 <151> PRIOR FILING DATE: 1998-07-09
- 285 <150> PRIOR APPLICATION NUMBER: 60/092472
- 286 <151> PRIOR FILING DATE: 1998-07-10
- 288 <150> PRIOR APPLICATION NUMBER: 60/091628
- 289 <151> PRIOR FILING DATE: 1998-07-02
- 291 <150> PRIOR APPLICATION NUMBER: 60/091646
- 292 <151> PRIOR FILING DATE: 1998-07-02
- 294 <150> PRIOR APPLICATION NUMBER: 60/091673
- 295 <151> PRIOR FILING DATE: 1998-07-02
- 297 <150> PRIOR APPLICATION NUMBER: 60/093339
- 298 <151> PRIOR FILING DATE: 1998-07-20
- 300 <150> PRIOR APPLICATION NUMBER: 60/094651
- 301 <151> PRIOR FILING DATE: 1998-07-30
- 303 <150> PRIOR APPLICATION NUMBER: 60/095282
- 304 <151> PRIOR FILING DATE: 1998-08-04
- 306 <150> PRIOR APPLICATION NUMBER: 60/095285
- 307 <151> PRIOR FILING DATE: 1998-08-04
- 309 <150> PRIOR APPLICATION NUMBER: 60/095302
- 310 <151> PRIOR FILING DATE: 1998-08-04
- 312 <150> PRIOR APPLICATION NUMBER: 60/095318
- 313 <151> PRIOR FILING DATE: 1998-08-04
- 315 <150> PRIOR APPLICATION NUMBER: 60/095321
- 316 <151> PRIOR FILING DATE: 1998-08-04
- 318 <150> PRIOR APPLICATION NUMBER: 60/095301
- 319 <151> PRIOR FILING DATE: 1998-08-04
- 321 <150> PRIOR APPLICATION NUMBER: 60/095325
- 322 <151> PRIOR FILING DATE: 1998-08-04
- 324 <150> PRIOR APPLICATION NUMBER: 60/095916
- 325 <151> PRIOR FILING DATE: 1998-08-10
- 327 <150> PRIOR APPLICATION NUMBER: 60/095929
- 328 <151> PRIOR FILING DATE: 1998-08-10
- 330 <150> PRIOR APPLICATION NUMBER: 60/096012
- 331 <151> PRIOR FILING DATE: 1998-08-10
- 333 <150> PRIOR APPLICATION NUMBER: 60/096143
- 334 <151> PRIOR FILING DATE: 1998-08-11
- 336 <150> PRIOR APPLICATION NUMBER: 60/096146
- 337 <151> PRIOR FILING DATE: 1998-08-11
- 339 <150> PRIOR APPLICATION NUMBER: 60/096329
- 340 <151> PRIOR FILING DATE: 1998-08-12
- 342 <150> PRIOR APPLICATION NUMBER: 60/096757
- 343 <151> PRIOR FILING DATE: 1998-08-17
- 345 <150> PRIOR APPLICATION NUMBER: 60/096766
- 346 <151> PRIOR FILING DATE: 1998-08-17
- 348 <150> PRIOR APPLICATION NUMBER: 60/096768
- 349 <151> PRIOR FILING DATE: 1998-08-17
- 351 <150> PRIOR APPLICATION NUMBER: 60/096773
- 352 <151> PRIOR FILING DATE: 1998-08-17



Use of n and / or Xaa has been detected in the Sequence Listing. Review the Sequence Listing to ensure a corresponding explanation is present in the <220> to <223> fields of each sequence using n or Xaa.

VERIFICATION SUMMARY DATE: 11/28/2001 PATENT APPLICATION: US/09/990,440 TIME: 11:39:28

Input Set : A:\Seq__Listing_for_P2730P1C21.wpd
Output Set: N:\CRF3\11212001\1990440.raw

```
L:33 M:270 C: Current Application Number differs, Replaced Current Application No
L:33 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:1875 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 \,
L:1893 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24
L:2927 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42
L:2931 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42
L:2933 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42
L:3112 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:47
L:3117 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:47
L:3122 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:47
L:4455 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:68
L:4461 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:68
L:4740 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:74
L:4746 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:74
L:4771 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:75
L:4773 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:75
L:4775 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:75
L:4777 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:75
L\!:\!4781~M\!:\!341~W\!: (46) "n" or "Xaa" used, for SEQ ID#:75
L:4783 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:75
L:4800 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:76
L:4831 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:77
L:4835 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:77
L:5850 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:105
L:5854 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:105
L:5856 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:105
L:5858 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:105
L:5866 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:105
L:5868 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:105
L:5881 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:106
L:5883 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:106
L:5885 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:106
L:5889 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:106
L:5893 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:106
L:5895 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:106
L:5897 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:106
L:5914 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:107
L:5916 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:107
L:5920 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:107
L:5922 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:107
L:5924 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:107
L:5926 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:107
L:5939 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:108
L:5941 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:108
L:5943 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:108
L:5955 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:108
L:5959 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:108
L:7597 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:136
```

VERIFICATION SUMMARY PATENT APPLICATION: US/09/990,440 DATE: 11/28/2001 TIME: 11:39:28

Input Set : A:\Seq__Listing_for_P2730P1C21.wpd
Output Set: N:\CRF3\11212001\1990440.raw

```
L:7599 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:136
L:7601 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:136
L:7605 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:136
L:7823 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:139
L:7850 \ M:341 \ W: \ (46) \ "n" \ or "Xaa" \ used, for SEQ ID#:140
L:7856 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:140
L:8139 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:149
L:8342 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:153
L:8347 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:153
L:8352 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:153
L:10323 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:183
L:10328 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:183
L:10333 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:183
L:10338 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:183
L:10343 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:183
L:13416 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:236
L:13421 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:236
L:13426 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:236
L:18861 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:342
L:18864 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:342
```